

Table 6-5
Summary of Soil Sample Analytical Results
SWMU 27
Soil Only

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 10	Units	DRW-09 32 - 34 04/01/97	DRW-09 34 - 36 04/01/97	DRW-09 58 - 60 04/01/97	DRW-10 36 - 38 04/03/97	DRW-10 38 - 40 04/03/97	DRW-10 54 - 56 04/03/97	LAGN2-SB-01 1.5 - 2 12/07/09	LAGN2-SB-02 1.5 - 2 12/07/09	LAGN2-SB-03 1.5 - 2 12/07/09	LAGN2-SB-04 1.5 - 2 12/07/09
Metals														
Arsenic	7440-38-2	3.9 (NMED ResSoil09)	0.131	mg/kg	--	--	--	--	--	--	<2.65	<2.64	<2.75	<2.95
Barium	7440-39-3	15,600 (NMED ResSoil09)	3,010	mg/kg	--	--	--	--	--	--	41	42.4	43.1	39.1
Cadmium	7440-43-9	77.9 (NMED ResSoil09)	13.7	mg/kg	--	--	--	--	--	--	<0.265	<0.264	<0.275	<0.295
Chromium	7440-47-3	219 (NMED ResSoil09)	--	mg/kg	--	--	--	--	--	--	4.66	11.8	2.42	4.59
Chromium (Hexavalent)	Cr6	219 (NMED ResSoil09)	21.1	mg/kg	--	--	--	--	--	--	<1.96	<1.91	<2	<1.98
Lead	7439-92-1	400 (NMED ResSoil09)	--	mg/kg	--	--	--	--	--	--	<1.33	<1.32	<1.38	<1.48
Mercury	7439-97-6	7.71 (NMED ResSoil09)	0.293	mg/kg	--	--	--	--	--	--	<0.0332	<0.033	<0.0344	<0.0369
Selenium	7782-49-2	391 (NMED ResSoil09)	9.65	mg/kg	--	--	--	--	--	--	<2.65	<2.64	<2.75	<2.95
Silver	7440-22-4	391 (NMED ResSoil09)	15.7	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Other														
Percent Moisture	MOIST	--	--	%	--	--	--	--	--	--	24.6	24.3	27.3	32.2
Semivolatile Organic Compounds														
1,2,4,5-Tetrachlorobenzene	95-94-3	18.3 (NMED ResSoil09)	0.214	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
1,2,4-Trichlorobenzene	120-82-1	143 (NMED ResSoil09)	0.102	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.332	<0.33	<0.344	<0.369
1,2-Benzphenanthracene (Chrysene)	218-01-9	621 (NMED ResSoil09)	326	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
1,2-Dichlorobenzene	95-50-1	3,010 (NMED ResSoil09)	3.13	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.332	<0.33	<0.344	<0.369
1,4-Dichlorobenzene	106-46-7	32.2 (NMED ResSoil09)	0.0357	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.332	<0.33	<0.344	<0.369
1-Chloronaphthalene	90-13-1	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
1-Methylnaphthalene	90-12-0	220 (EPA ResSoil09)	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
1-Naphthylamine	134-32-7	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2,4,5-Trichlorophenol	95-95-4	6,110 (NMED ResSoil09)	71.3	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2,4,6-Trichlorophenol	88-06-2	61 (NMED ResSoil09)	0.713	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2,4-Dichlorophenol	120-83-2	183 (NMED ResSoil09)	1.37	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2,4-Dimethylphenol	105-67-9	1,220 (NMED ResSoil09)	9.12	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2,4-Dinitrophenol	51-28-5	122 (NMED ResSoil09)	0.525	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2,4-Dinitrotoluene	121-14-2	15.7 (NMED ResSoil09)	0.0156	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2,6-Dichlorophenol	87-65-0	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2,6-Dinitrotoluene	606-20-2	61.2 (NMED ResSoil09)	0.267	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2-Chloronaphthalene (b-)	91-58-7	6,260 (NMED ResSoil09)	135	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2-Chlorophenol	95-57-8	391 (NMED ResSoil09)	1.53	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2-Methyl Pyridine	109-06-8	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	6.11 (NMED ResSoil09)	0.0393	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2-Methylnaphthalene	91-57-6	310 (EPA ResSoil09)	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2-Methylphenol (o-cresol)	95-48-7	3,100 (EPA ResSoil09)	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2-Naphthylamine	91-59-8	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2-Nitroaniline	88-74-4	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
2-Nitrophenol	88-75-5	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
3,3-Dichlorobenzidine	91-94-1	10.8 (NMED ResSoil09)	0.17	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	5,120 (NMED ResSoil09)	1.85	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
3-Methylchloranthrene	56-49-5	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
3-Methylphenol/4-Methylphenol	108-39-4b	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
3-Nitroaniline	99-09-2	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
4-Aminobiphenyl	92-67-1	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
4-Bromophenyl Phenyl Ether	101-55-3	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
4-Chloro-3-Methylphenol	59-50-7	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
4-Chlorophenyl Phenyl Ether	7005-72-3	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
4-Dimethylaminoazobenzene	60-11-7	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
4-Nitrophenol	100-02-7	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
7,12-Dimethylbenz(a)Anthracene	57-97-6	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
a,a-Dimethylphenethylamine	122-09-8	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Acenaphthene	83-32-9	3,440 (NMED ResSoil09)	205	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Acenaphthylene	208-96-8	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Acetophenone	98-86-2	7,820 (NMED ResSoil09)	8.86	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Aniline	62-53-3	850 (EPA ResSoil09)	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Anthracene	120-12-7	17,200 (NMED ResSoil09)	3,370	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Benzidine	92-87-5	0.0211 (NMED ResSoil09)	0.000125	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Benzo(a)Anthracene	56-55-3	6.21 (NMED ResSoil09)	3.2	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Benzo(a)Pyrene	50-32-8	0.621 (NMED ResSoil09)	1.09	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Benzo(b)Fluoranthene	205-99-2	6.21 (NMED ResSoil09)	11.1	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369

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Benzo(g,h,i)Perylene	191-24-2	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Benzo(k)Fluoranthene	207-08-9	62.1 {NMED ResSoil09}	109	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Benzoic Acid	65-85-0	240,000 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Benzyl Alcohol	100-51-6	6,100 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	2,600 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Bis (2-Chloroethoxy) Methane	111-91-1	180 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl)	108-60-1	91.5 {NMED ResSoil09}	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Bis(2-Chloroethyl) Ether	111-44-4	2.56 {NMED ResSoil09}	0.000233	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	347 {NMED ResSoil09}	119	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Chlorophenols (2,3,4,6-Tetrachlorophenol)	58-90-2	1,800 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Dibenz(a,h)Anthracene	53-70-3	0.621 {NMED ResSoil09}	3.62	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Dibenz(a,j)Acridine	224-42-0	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Dibenzofuran	132-64-9	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Diethyl Phthalate	84-66-2	48,900 {NMED ResSoil09}	106	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Dimethyl Phthalate	131-11-3	611,000 {NMED ResSoil09}	836	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Di-n-Butyl Phthalate	84-74-2	6,110 {NMED ResSoil09}	86.3	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Di-n-Octyl Phthalate	117-84-0	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Diphenylamine	122-39-4	1,500 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Diphenylhydrazine	38622-18-3	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Ethyl Methanesulfonate	62-50-0	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Fluoranthene	206-44-0	2,290 {NMED ResSoil09}	1,550	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Fluorene	86-73-7	2,290 {NMED ResSoil09}	250	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Hexachloro-1,3-Butadiene	87-68-3	61.1 {NMED ResSoil09}	0.147	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.332	<0.33	<0.344	<0.369
Hexachlorobenzene	118-74-1	3.04 {NMED ResSoil09}	0.0221	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Hexachlorocyclopentadiene	77-47-4	367 {NMED ResSoil09}	6.13	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Hexachloroethane	67-72-1	61.1 {NMED ResSoil09}	0.193	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Indeno(1,2,3-cd)Pyrene	193-39-5	6.21 {NMED ResSoil09}	37	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
m-Dichlorobenzene	541-73-1	--	--	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.332	<0.33	<0.344	<0.369
Methanamine, N-Methyl-N-Nitroso	62-75-9	0.954 {NMED ResSoil09}	0.0000304	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Methyl Methanesulfonate	66-27-3	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Naphthalene	91-20-3	45 {NMED ResSoil09}	0.0419	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.332	<0.33	<0.344	<0.369
Nitrobenzene	98-95-3	49.4 {NMED ResSoil09}	0.0686	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
N-Nitrosodi-N-Butylamine	924-16-3	0.726 {NMED ResSoil09}	0.000648	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
N-Nitrosodi-N-Propylamine	621-64-7	0.69 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
N-Nitrosopiperidine	100-75-4	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
p-Chloroaniline	106-47-8	24 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Pentachlorobenzene	608-93-5	48.9 {NMED ResSoil09}	0.937	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Pentachloronitrobenzene	82-68-8	19 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Pentachlorophenol	87-86-5	29.8 {NMED ResSoil09}	0.294	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Phenacetin	62-44-2	--	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Phenanthrene	85-01-8	1,830 {NMED ResSoil09}	834	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Phenol	108-95-2	18,300 {NMED ResSoil09}	63	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
p-Nitroaniline	100-01-6	240 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Propylamide (Kerb)	23950-58-5	4,600 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Pyrene	129-00-0	1,720 {NMED ResSoil09}	1,120	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Pyridine	110-86-1	78 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	<0.332	<0.33	<0.344	<0.369
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	630-20-6	29.2 {NMED ResSoil09}	0.0173	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
1,1,1-Trichloroethane	71-55-6	21,800 {NMED ResSoil09}	29.8	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
1,1,2,2-Tetrachloroethane	79-34-5	7.98 {NMED ResSoil09}	0.00225	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
1,1,2-Trichloroethane	79-00-5	17.2 {NMED ResSoil09}	0.00674	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
1,1-Dichloroethane	75-34-3	62.9 {NMED ResSoil09}	0.0609	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
1,1-Dichloroethylene	75-35-4	618 {NMED ResSoil09}	1.19	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
1,1-Dichloropropene	563-58-6	--	--	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
1,2,3-Trichlorobenzene	87-61-6	--	--	mg/kg	--	--	--	--	--	--	<0.00265	<0.00264	<0.00275	<0.00266
1,2,3-Trichloropropane	96-18-4	0.915 {NMED ResSoil09}	0.000356	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
1,2,4-Trimethylbenzene	95-63-6	62 {EPA ResSoil09}	--	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.194 {NMED ResSoil09}	0.0000297	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.574 {NMED ResSoil09}	0.000158	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
1,2-Dichloroethane	107-06-2	7.74 {NMED ResSoil09}	0.00365	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266

Table 6-5
Summary of Soil Sample Analytical Results
SWMU 27
Soil Only

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 10	Units	DRW-09 32 - 34 04/01/97	DRW-09 34 - 36 04/01/97	DRW-09 58 - 60 04/01/97	DRW-10 36 - 38 04/03/97	DRW-10 38 - 40 04/03/97	DRW-10 54 - 56 04/03/97	LAGN2-SB-01 1.5 - 2 12/07/09	LAGN2-SB-02 1.5 - 2 12/07/09	LAGN2-SB-03 1.5 - 2 12/07/09	LAGN2-SB-04 1.5 - 2 12/07/09
1,2-Dichloropropane	78-87-5	14.7 (NMED ResSoil09)	0.0111	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
1,3,5-Trimethylbenzene	108-67-8	780 (EPA ResSoil09)	--	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
1,3-Dichloropropane	142-28-9	1,600 (EPA ResSoil09)	0.0111	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
2,2-Dichloropropane	594-20-7	--	--	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
2-Butanone	78-93-3	39,600 (NMED ResSoil09)	12.7	mg/kg	<0.012	<0.013	<0.013	<0.012	<0.013	<0.012	<0.00265	<0.00264	<0.00275	<0.00266
2-Chloroethyl Vinyl Ether	110-75-8	--	--	mg/kg	--	--	--	--	--	--	<0.00265	<0.00264	<0.00275	<0.00266
2-Chlorotoluene	95-49-8	1,560 (NMED ResSoil09)	6.24	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
2-Phenylbutane	135-98-8	--	--	mg/kg	--	--	--	--	--	--	<0.00265	<0.00264	<0.00275	<0.00266
4-Chlorotoluene	106-43-4	5,500 (EPA ResSoil09)	--	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
4-Methyl-2-Pentanone(MIBK)	108-10-1	5,950 (NMED ResSoil09)	3.79	mg/kg	<0.012	<0.013	<0.013	<0.012	<0.013	<0.012	<0.00265	<0.00264	<0.00275	<0.00266
Acetone	67-64-1	67,500 (NMED ResSoil09)	38.4	mg/kg	<0.012	<0.013	<0.013	<0.012	<0.013	<0.012	<0.00663	<0.00661	<0.00688	<0.00665
Acrylonitrile	107-13-1	5.97 (NMED ResSoil09)	0.000819	mg/kg	--	--	--	--	--	--	<0.00265	<0.00264	<0.00275	<0.00266
Benzene	71-43-2	15.5 (NMED ResSoil09)	0.0185	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Bromobenzene	108-86-1	300 (EPA ResSoil09)	--	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Bromodichloromethane	75-27-4	5.25 (NMED ResSoil09)	0.00276	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Bromomethane	74-83-9	22.3 (NMED ResSoil09)	0.0194	mg/kg	<0.012	<0.013	<0.013	<0.012	<0.013	<0.012	<0.00265	<0.00264	<0.00275	<0.00266
Carbon Disulfide	75-15-0	1,940 (NMED ResSoil09)	2.52	mg/kg	--	--	--	--	--	--	0.00468	0.00425	0.00476	0.00277
Carbon Tetrachloride	56-23-5	4.38 (NMED ResSoil09)	0.00739	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
CFC-11 (Trichlorofluoromethane)	75-69-4	2,010 (NMED ResSoil09)	9.01	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
CFC-12 (Dichlorodifluoromethane)	75-71-8	481 (NMED ResSoil09)	7.23	mg/kg	<0.012	<0.013	<0.013	<0.012	<0.013	<0.012	<0.00265	<0.00264	<0.00275	<0.00266
Chlorobenzene	108-90-7	508 (NMED ResSoil09)	0.538	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Chlorobromomethane	74-97-5	--	--	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Chlorodibromomethane (Dibromochloromethane)	124-48-1	11.9 (NMED ResSoil09)	0.00338	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Chloroethane (Ethylchloride)	75-00-3	43,600 (NMED ResSoil09)	54.2	mg/kg	<0.012	<0.013	<0.013	<0.012	<0.013	<0.012	<0.00265	<0.00264	<0.00275	<0.00266
Chloroform	67-66-3	5.72 (NMED ResSoil09)	0.00468	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Chloromethane	74-87-3	35.6 (NMED ResSoil09)	0.0418	mg/kg	--	--	--	--	--	--	<0.00265	<0.00264	<0.00275	<0.00266
cis-1,2-Dichloroethene	156-59-2	782 (NMED ResSoil09)	0.943	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
cis-1,3-Dichloropropene	10061-01-5	--	--	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Cymene	99-87-6	--	--	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Dibromomethane (Methylene Dibromide)	74-95-3	782 (NMED ResSoil09)	0.777	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Dichloromethane (Methylene Chloride)	75-09-2	199 (NMED ResSoil09)	0.107	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00663	<0.00661	<0.00688	<0.00665
Ethylbenzene	100-41-4	69.7 (NMED ResSoil09)	0.146	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Iodomethane	74-88-4	--	--	mg/kg	--	--	--	--	--	--	<0.00265	<0.00264	<0.00275	<0.00266
Isopropylbenzene (Cumene)	98-82-8	3,210 (NMED ResSoil09)	9.86	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
m,p-Xylene (m-Xylene)	108-38-3	8,290 (NMED ResSoil09)	12.3	mg/kg	--	--	--	--	--	--	<0.00531	<0.00528	<0.0055	<0.00532
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	<0.012	<0.013	<0.013	<0.012	<0.013	<0.012	<0.00265	<0.00264	<0.00275	<0.00266
Methylbenzene (Toluene)	108-88-3	5,570 (NMED ResSoil09)	13.8	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Methyl-tert-butyl ether	1634-04-4	862 (NMED ResSoil09)	0.229	mg/kg	--	--	--	--	--	--	<0.00265	<0.00264	<0.00275	<0.00266
n-Butylbenzene	104-51-8	--	--	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
n-Propylbenzene	103-65-1	--	--	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
o-Xylene	95-47-6	9,550 (NMED ResSoil09)	12.3	mg/kg	--	--	--	--	--	--	<0.00265	<0.00264	<0.00275	<0.00266
sec-Butylbenzene	135-9-88	--	--	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	--	--	--	--
Styrene (Monomer)	100-42-5	8,970 (NMED ResSoil09)	15.6	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
tert-Butylbenzene	98-06-6	--	--	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Tetrachloroethene	127-18-4	6.99 (NMED ResSoil09)	0.00449	mg/kg	--	--	--	--	--	--	<0.00265	<0.00264	<0.00275	<0.00266
Trans-1,2-Dichloroethene	156-60-5	273 (NMED ResSoil09)	0.301	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Trans-1,4-Dichlorobutene	110-57-6	--	--	mg/kg	--	--	--	--	--	--	<0.00265	<0.00264	<0.00275	<0.00266
Tribromomethane (Bromoform)	75-25-2	616 (NMED ResSoil09)	6.04	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	<0.00265	<0.00264	<0.00275	<0.00266
Trichloroethylene	79-01-6	45.7 (NMED ResSoil09)	0.053	mg/kg	--	--	--	--	--	--	<0.00265	<0.00264	<0.00275	<0.00266
Vinyl Chloride	75-01-4	0.865 (NMED ResSoil09)	0.00288	mg/kg	<0.012	<0.013	<0.013	<0.012	<0.013	<0.012	<0.00265	<0.00264	<0.00275	<0.00266
Xylenes (total xylenes)	1330-20-7	1,090 (NMED ResSoil09)	1.76	mg/kg	<0.0062	<0.0063	<0.0064	<0.0062	<0.0063	<0.0061	--	--	--	--

Table 6-5
Summary of Soil Sample Analytical Results
SWMU 27
Soil Only

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 10	Units	LAGN2-SB-05 0.3 - 0.9 12/07/09	LAGN1-SB-01 0.3 - 0.9 12/09/09	LAGN1-SB-02 0.3 - 0.9 12/09/09	LAGN1-SB-03 0.3 - 0.9 12/09/09	LAGN1-SB-04 0.3 - 0.9 12/09/09	LAGN1-SB-05 0.3 - 0.9 12/09/09	LAGN4-SB-01 0.3 - 0.9 12/09/09	LAGN4-SB-02 0.3 - 0.9 12/09/09
Metals												
Arsenic	7440-38-2	3.9 {NMED ResSoil09}	0.131	mg/kg	<2.26 [<u><2.75</u>]	<2.79	<2.78	<2.77	<2.76	<2.79	<2.67	<2.72
Barium	7440-39-3	15,600 {NMED ResSoil09}	3,010	mg/kg	29.6 [32.6]	30	30.1	49.2	39.8	31.2	14	35
Cadmium	7440-43-9	77.9 {NMED ResSoil09}	13.7	mg/kg	<0.226 [<u><0.275</u>]	<0.279	<0.278	<0.277	<0.276	<0.279	<0.267	<0.272
Chromium	7440-47-3	219 {NMED ResSoil09}	--	mg/kg	2.83 [2.95]	2.61	2.83	3.75	3.68	3.23	2.16	2.36
Chromium (Hexavalent)	Cr6	219 {NMED ResSoil09}	21.1	mg/kg	<2 [<u><1.99</u>]	<2	<2.05	<2.03	<2.16	<2.01	<1.86	<2.03
Lead	7439-92-1	400 {NMED ResSoil09}	--	mg/kg	<1.13 [<u><1.38</u>]	<1.39	<1.39	<1.38	<1.38	<1.39	<1.33	<1.36
Mercury	7439-97-6	7.71 {NMED ResSoil09}	0.293	mg/kg	<0.0283 [<u><0.0344</u>]	<0.0348	0.00414 J	<0.0346	<0.0346	0.00412 J	<0.0334	<0.0341
Selenium	7782-49-2	391 {NMED ResSoil09}	9.65	mg/kg	<2.26 [<u><2.75</u>]	<2.79	<2.78	<2.77	<2.76	<2.79	<2.67	<2.72
Silver	7440-22-4	391 {NMED ResSoil09}	15.7	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Other												
Percent Moisture	MOIST	--	--	%	27.2 [27.4]	28.2	28	27.7	31.7	28.2	25.1	26.6
Semivolatile Organic Compounds												
1,2,4,5-Tetrachlorobenzene	95-94-3	18.3 {NMED ResSoil09}	0.214	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
1,2,4-Trichlorobenzene	120-82-1	143 {NMED ResSoil09}	0.102	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
1,2-Benzphenanthracene (Chrysene)	218-01-9	621 {NMED ResSoil09}	326	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
1,2-Dichlorobenzene	95-50-1	3,010 {NMED ResSoil09}	3.13	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
1,4-Dichlorobenzene	106-46-7	32.2 {NMED ResSoil09}	0.0357	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
1-Chloronaphthalene	90-13-1	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
1-Methylnaphthalene	90-12-0	220 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
1-Naphthylamine	134-32-7	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2,4,5-Trichlorophenol	95-95-4	6,110 {NMED ResSoil09}	71.3	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2,4,6-Trichlorophenol	88-06-2	61 {NMED ResSoil09}	0.713	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2,4-Dichlorophenol	120-83-2	183 {NMED ResSoil09}	1.37	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2,4-Dimethylphenol	105-67-9	1,220 {NMED ResSoil09}	9.12	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2,4-Dinitrophenol	51-28-5	122 {NMED ResSoil09}	0.525	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2,4-Dinitrotoluene	121-14-2	15.7 {NMED ResSoil09}	0.0156	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2,6-Dichlorophenol	87-65-0	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2,6-Dinitrotoluene	606-20-2	61.2 {NMED ResSoil09}	0.267	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2-Chloronaphthalene (b-)	91-58-7	6,260 {NMED ResSoil09}	135	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2-Chlorophenol	95-57-8	391 {NMED ResSoil09}	1.53	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2-Methyl Pyridine	109-06-8	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	6.11 {NMED ResSoil09}	0.0393	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2-Methylnaphthalene	91-57-6	310 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2-Methylphenol (o-cresol)	95-48-7	3,100 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2-Naphthylamine	91-59-8	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2-Nitroaniline	88-74-4	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
2-Nitrophenol	88-75-5	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
3,3-Dichlorobenzidine	91-94-1	10.8 {NMED ResSoil09}	0.17	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	5,120 {NMED ResSoil09}	1.85	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
3-Methylchloranthrene	56-49-5	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
3-Methylphenol/4-Methylphenol	108-39-4b	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
3-Nitroaniline	99-09-2	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
4-Aminobiphenyl	92-67-1	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
4-Bromophenyl Phenyl Ether	101-55-3	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
4-Chloro-3-Methylphenol	59-50-7	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
4-Chlorophenyl Phenyl Ether	7005-72-3	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
4-Dimethylaminoazobenzene	60-11-7	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
4-Nitrophenol	100-02-7	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
7,12-Dimethylbenz(a)Anthracene	57-97-6	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
a,a-Dimethylphenethylamine	122-09-8	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Acenaphthene	83-32-9	3,440 {NMED ResSoil09}	205	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Acenaphthylene	208-96-8	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Acetophenone	98-86-2	7,820 {NMED ResSoil09}	8.86	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Aniline	62-53-3	850 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Anthracene	120-12-7	17,200 {NMED ResSoil09}	3,370	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Benzidine	92-87-5	0.0211 {NMED ResSoil09}	0.000125	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Benzo(a)Anthracene	56-55-3	6.21 {NMED ResSoil09}	3.2	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Benzo(a)Pyrene	50-32-8	0.621 {NMED ResSoil09}	1.09	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Benzo(b)Fluoranthene	205-99-2	6.21 {NMED ResSoil09}	11.1	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341

Table 6-5
Summary of Soil Sample Analytical Results
SWMU 27
Soil Only

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 10	Units	LAGN2-SB-05 0.3 - 0.9 12/07/09	LAGN1-SB-01 0.3 - 0.9 12/09/09	LAGN1-SB-02 0.3 - 0.9 12/09/09	LAGN1-SB-03 0.3 - 0.9 12/09/09	LAGN1-SB-04 0.3 - 0.9 12/09/09	LAGN1-SB-05 0.3 - 0.9 12/09/09	LAGN4-SB-01 0.3 - 0.9 12/09/09	LAGN4-SB-02 0.3 - 0.9 12/09/09
Benzo(g,h,i)Perylene	191-24-2	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Benzo(k)Fluoranthene	207-08-9	62.1 {NMED ResSoil09}	109	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Benzoic Acid	65-85-0	240,000 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Benzyl Alcohol	100-51-6	6,100 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	2,600 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Bis (2-Chloroethoxy) Methane	111-91-1	180 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl))	108-60-1	91.5 {NMED ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Bis(2-Chloroethyl) Ether	111-44-4	2.56 {NMED ResSoil09}	0.000233	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	347 {NMED ResSoil09}	119	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Chlorophenols (2,3,4,6-Tetrachlorophenol)	58-90-2	1,800 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Dibenz(a,h)Anthracene	53-70-3	0.621 {NMED ResSoil09}	3.62	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Dibenz(a,j)Acridine	224-42-0	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Dibenzofuran	132-64-9	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Diethyl Phthalate	84-66-2	48,900 {NMED ResSoil09}	106	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Dimethyl Phthalate	131-11-3	611,000 {NMED ResSoil09}	836	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Di-n-Butyl Phthalate	84-74-2	6,110 {NMED ResSoil09}	86.3	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Di-n-Octyl Phthalate	117-84-0	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Diphenylamine	122-39-4	1,500 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Diphenylhydrazine	38622-18-3	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Ethyl Methanesulfonate	62-50-0	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Fluoranthene	206-44-0	2,290 {NMED ResSoil09}	1,550	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Fluorene	86-73-7	2,290 {NMED ResSoil09}	250	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Hexachloro-1,3-Butadiene	87-68-3	61.1 {NMED ResSoil09}	0.147	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Hexachlorobenzene	118-74-1	3.04 {NMED ResSoil09}	0.0221	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Hexachlorocyclopentadiene	77-47-4	367 {NMED ResSoil09}	6.13	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Hexachloroethane	67-72-1	61.1 {NMED ResSoil09}	0.193	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Indeno(1,2,3-cd)Pyrene	193-39-5	6.21 {NMED ResSoil09}	37	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
m-Dichlorobenzene	541-73-1	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Methanamine, N-Methyl-N-Nitroso	62-75-9	0.954 {NMED ResSoil09}	0.0000304	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Methyl Methanesulfonate	66-27-3	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Naphthalene	91-20-3	45 {NMED ResSoil09}	0.0419	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Nitrobenzene	98-95-3	49.4 {NMED ResSoil09}	0.0686	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
N-Nitrosodi-N-Butylamine	924-16-3	0.726 {NMED ResSoil09}	0.000648	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
N-Nitrosodi-N-Propylamine	621-64-7	0.69 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
N-Nitrosopiperidine	100-75-4	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
p-Chloroaniline	106-47-8	24 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Pentachlorobenzene	608-93-5	48.9 {NMED ResSoil09}	0.937	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Pentachloronitrobenzene	82-68-8	19 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Pentachlorophenol	87-86-5	29.8 {NMED ResSoil09}	0.294	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Phenacetin	62-44-2	--	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Phenanthrene	85-01-8	1,830 {NMED ResSoil09}	834	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Phenol	108-95-2	18,300 {NMED ResSoil09}	63	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
p-Nitroaniline	100-01-6	240 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Propylamide (Kerb)	23950-58-5	4,600 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Pyrene	129-00-0	1,720 {NMED ResSoil09}	1,120	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Pyridine	110-86-1	78 {EPA ResSoil09}	--	mg/kg	<0.283 [<u><0.344</u>]	<0.348	<0.347	<0.346	<0.346	<0.348	<0.334	<0.341
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	630-20-6	29.2 {NMED ResSoil09}	0.0173	mg/kg	0.00226 [<u><0.0027</u>]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
1,1,1-Trichloroethane	71-55-6	21,800 {NMED ResSoil09}	29.8	mg/kg	0.00226 [<u><0.0027</u>]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
1,1,2,2-Tetrachloroethane	79-34-5	7.98 {NMED ResSoil09}	0.00225	mg/kg	0.00226 [<u><0.0027</u>]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
1,1,2-Trichloroethane	79-00-5	17.2 {NMED ResSoil09}	0.00674	mg/kg	0.00226 [<u><0.0027</u>]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
1,1-Dichloroethane	75-34-3	62.9 {NMED ResSoil09}	0.0609	mg/kg	0.00226 [<u><0.0027</u>]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	0.00127 J	<0.00272
1,1-Dichloroethylene	75-35-4	618 {NMED ResSoil09}	1.19	mg/kg	0.00226 [<u><0.0027</u>]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
1,1-Dichloropropene	563-58-6	--	--	mg/kg	0.00226 [<u><0.0027</u>]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
1,2,3-Trichlorobenzene	87-61-6	--	--	mg/kg	0.00226 [<u><0.0027</u>]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
1,2,3-Trichloropropane	96-18-4	0.915 {NMED ResSoil09}	0.000356	mg/kg	0.00226 [<u><0.0027</u>]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
1,2,4-Trimethylbenzene	95-63-6	62 {EPA ResSoil09}	--	mg/kg	0.00226 [<u><0.0027</u>]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.194 {NMED ResSoil09}	0.0000297	mg/kg	0.00226 [<u><0.0027</u>]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.574 {NMED ResSoil09}	0.000158	mg/kg	0.00226 [<u><0.0027</u>]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
1,2-Dichloroethane	107-06-2	7.74 {NMED ResSoil09}	0.00365	mg/kg	0.00226 [<u><0.0027</u>]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272

Table 6-5
Summary of Soil Sample Analytical Results
SWMU 27
Soil Only

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 10	Units	LAGN2-SB-05 0.3 - 0.9 12/07/09	LAGN1-SB-01 0.3 - 0.9 12/09/09	LAGN1-SB-02 0.3 - 0.9 12/09/09	LAGN1-SB-03 0.3 - 0.9 12/09/09	LAGN1-SB-04 0.3 - 0.9 12/09/09	LAGN1-SB-05 0.3 - 0.9 12/09/09	LAGN4-SB-01 0.3 - 0.9 12/09/09	LAGN4-SB-02 0.3 - 0.9 12/09/09
1,2-Dichloropropane	78-87-5	14.7 (NMED ResSoil09)	0.0111	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
1,3,5-Trimethylbenzene	108-67-8	780 (EPA ResSoil09)	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
1,3-Dichloropropane	142-28-9	1,600 (EPA ResSoil09)	0.0111	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
2,2-Dichloropropane	594-20-7	--	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
2-Butanone	78-93-3	39,600 (NMED ResSoil09)	12.7	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
2-Chloroethyl Vinyl Ether	110-75-8	--	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
2-Chlorotoluene	95-49-8	1,560 (NMED ResSoil09)	6.24	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
2-Phenylbutane	135-98-8	--	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
4-Chlorotoluene	106-43-4	5,500 (EPA ResSoil09)	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
4-Methyl-2-Pentanone(MIBK)	108-10-1	5,950 (NMED ResSoil09)	3.79	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Acetone	67-64-1	67,500 (NMED ResSoil09)	38.4	mg/kg	0.00566 [<0.0068]	<0.00697	0.00515 J	0.0357	<0.00691	<0.00696	<0.00667	<0.00681
Acrylonitrile	107-13-1	5.97 (NMED ResSoil09)	0.000819	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Benzene	71-43-2	15.5 (NMED ResSoil09)	0.0185	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Bromobenzene	108-86-1	300 (EPA ResSoil09)	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Bromodichloromethane	75-27-4	5.25 (NMED ResSoil09)	0.00276	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Bromomethane	74-83-9	22.3 (NMED ResSoil09)	0.0194	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Carbon Disulfide	75-15-0	1,940 (NMED ResSoil09)	2.52	mg/kg	0.0118 [0.0149]	<0.00279	<0.00278	0.00246 J	<0.00276	0.00177 J	<0.00267	<0.00272
Carbon Tetrachloride	56-23-5	4.38 (NMED ResSoil09)	0.00739	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
CFC-11 (Trichlorofluoromethane)	75-69-4	2,010 (NMED ResSoil09)	9.01	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
CFC-12 (Dichlorodifluoromethane)	75-71-8	481 (NMED ResSoil09)	7.23	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Chlorobenzene	108-90-7	508 (NMED ResSoil09)	0.538	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Chlorobromomethane	74-97-5	--	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Chlorodibromomethane (Dibromochloromethane)	124-48-1	11.9 (NMED ResSoil09)	0.00338	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Chloroethane (Ethylchloride)	75-00-3	43,600 (NMED ResSoil09)	54.2	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Chloroform	67-66-3	5.72 (NMED ResSoil09)	0.00468	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Chloromethane	74-87-3	35.6 (NMED ResSoil09)	0.0418	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
cis-1,2-Dichloroethene	156-59-2	782 (NMED ResSoil09)	0.943	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
cis-1,3-Dichloropropene	10061-01-5	--	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Cymene	99-87-6	--	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Dibromomethane (Methylene Dibromide)	74-95-3	782 (NMED ResSoil09)	0.777	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Dichloromethane (Methylene Chloride)	75-09-2	199 (NMED ResSoil09)	0.107	mg/kg	0.00566 [<0.0068]	<0.00697	<0.00694	<0.00692	<0.00691	<0.00696	<0.00667	<0.00681
Ethylbenzene	100-41-4	69.7 (NMED ResSoil09)	0.146	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Iodomethane	74-88-4	--	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Isopropylbenzene (Cumene)	98-82-8	3,210 (NMED ResSoil09)	9.86	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
m,p-Xylene (m-Xylene)	108-38-3	8,290 (NMED ResSoil09)	12.3	mg/kg	0.00452 [<0.0055]	<0.00557	<0.00556	<0.00553	<0.00553	<0.00557	<0.00534	<0.00545
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Methylbenzene (Toluene)	108-88-3	5,570 (NMED ResSoil09)	13.8	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Methyl-tert-butyl ether	1634-04-4	862 (NMED ResSoil09)	0.229	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
n-Butylbenzene	104-51-8	--	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
n-Propylbenzene	103-65-1	--	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
o-Xylene	95-47-6	9,550 (NMED ResSoil09)	12.3	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
sec-Butylbenzene	135-98-8	--	--	mg/kg	--	--	--	--	--	--	--	--
Styrene (Monomer)	100-42-5	8,970 (NMED ResSoil09)	15.6	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
tert-Butylbenzene	98-06-6	--	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Tetrachloroethene	127-18-4	6.99 (NMED ResSoil09)	0.00449	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Trans-1,2-Dichloroethene	156-60-5	273 (NMED ResSoil09)	0.301	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Trans-1,4-Dichlorobutene	110-57-6	--	--	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Tribromomethane (Bromoform)	75-25-2	616 (NMED ResSoil09)	6.04	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Trichloroethylene	79-01-6	45.7 (NMED ResSoil09)	0.053	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Vinyl Chloride	75-01-4	0.865 (NMED ResSoil09)	0.00288	mg/kg	0.00226 [<0.0027]	<0.00279	<0.00278	<0.00277	<0.00276	<0.00279	<0.00267	<0.00272
Xylenes (total xylenes)	1330-20-7	1,090 (NMED ResSoil09)	1.76	mg/kg	--	--	--	--	--	--	--	--

Table 6-5
Summary of Soil Sample Analytical Results
SWMU 27
Soil Only

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 10	Units	LAGN4-SB-03 0.3 - 0.9 12/09/09	LAGN4-SB-04 0.3 - 0.9 12/09/09	LAGN4-SB-05 0.3 - 0.9 12/09/09	LAGN3-SB-01 0.3 - 0.9 12/10/09	LAGN3-SB-02 0.3 - 0.9 12/10/09	LAGN3-SB-03 0.3 - 0.9 12/10/09	LAGN3-SB-04 0.3 - 0.9 12/10/09	LAGN3-SB-05 0.3 - 0.9 12/10/09
Metals												
Arsenic	7440-38-2	3.9 {NMED ResSoil09}	0.131	mg/kg	<2.72	<2.73	<2.78	<2.68	1.77 J	<2.69	<2.77	<2.7
Barium	7440-39-3	15,600 {NMED ResSoil09}	3,010	mg/kg	44.3	56	51	50.8	36.3	56.3	20.1	73.5
Cadmium	7440-43-9	77.9 {NMED ResSoil09}	13.7	mg/kg	<0.272	<0.273	<0.278	<0.268	<0.273	<0.269	<0.277	<0.27
Chromium	7440-47-3	219 {NMED ResSoil09}	--	mg/kg	3.06	4.23	2.2	3.55	2.89	4.13	1.61	4.35
Chromium (Hexavalent)	Cr6	219 {NMED ResSoil09}	21.1	mg/kg	<1.98	<1.82	<2.01	<1.94	<1.97	<1.94	<2.06	<1.96
Lead	7439-92-1	400 {NMED ResSoil09}	--	mg/kg	<1.36	<1.36	<1.39	<1.34	<1.36	<1.34	<1.38	1.36
Mercury	7439-97-6	7.71 {NMED ResSoil09}	0.293	mg/kg	<0.034	<0.0341	<0.0348	<0.0335	<0.0341 Z	<0.0336	<0.0346 Z	<0.0338
Selenium	7782-49-2	391 {NMED ResSoil09}	9.65	mg/kg	<2.72	<2.73	<2.78	<2.68	<2.73	<2.69	<2.77	<2.7
Silver	7440-22-4	391 {NMED ResSoil09}	15.7	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Other												
Percent Moisture	MOIST	--	--	%	26.6	26.8	28.1	25.4	26.7	25.6	27.8	26
Semivolatile Organic Compounds												
1,2,4,5-Tetrachlorobenzene	95-94-3	18.3 {NMED ResSoil09}	0.214	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
1,2,4-Trichlorobenzene	120-82-1	143 {NMED ResSoil09}	0.102	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
1,2-Benzphenanthracene (Chrysene)	218-01-9	621 {NMED ResSoil09}	326	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
1,2-Dichlorobenzene	95-50-1	3,010 {NMED ResSoil09}	3.13	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
1,4-Dichlorobenzene	106-46-7	32.2 {NMED ResSoil09}	0.0357	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
1-Chloronaphthalene	90-13-1	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
1-Methylnaphthalene	90-12-0	220 {EPA ResSoil09}	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
1-Naphthylamine	134-32-7	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2,4,5-Trichlorophenol	95-95-4	6,110 {NMED ResSoil09}	71.3	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2,4,6-Trichlorophenol	88-06-2	61 {NMED ResSoil09}	0.713	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2,4-Dichlorophenol	120-83-2	183 {NMED ResSoil09}	1.37	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2,4-Dimethylphenol	105-67-9	1,220 {NMED ResSoil09}	9.12	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2,4-Dinitrophenol	51-28-5	122 {NMED ResSoil09}	0.525	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2,4-Dinitrotoluene	121-14-2	15.7 {NMED ResSoil09}	0.0156	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2,6-Dichlorophenol	87-65-0	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2,6-Dinitrotoluene	606-20-2	61.2 {NMED ResSoil09}	0.267	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2-Chloronaphthalene (b-)	91-58-7	6,260 {NMED ResSoil09}	135	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2-Chlorophenol	95-57-8	391 {NMED ResSoil09}	1.53	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2-Methyl Pyridine	109-06-8	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	6.11 {NMED ResSoil09}	0.0393	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2-Methylnaphthalene	91-57-6	310 {EPA ResSoil09}	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2-Methylphenol (o-cresol)	95-48-7	3,100 {EPA ResSoil09}	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2-Naphthylamine	91-59-8	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2-Nitroaniline	88-74-4	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
2-Nitrophenol	88-75-5	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
3,3-Dichlorobenzidine	91-94-1	10.8 {NMED ResSoil09}	0.17	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	5,120 {NMED ResSoil09}	1.85	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
3-Methylchloranthrene	56-49-5	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
3-Methylphenol/4-Methylphenol	108-39-4b	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
3-Nitroaniline	99-09-2	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
4-Aminobiphenyl	92-67-1	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
4-Bromophenyl Phenyl Ether	101-55-3	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
4-Chloro-3-Methylphenol	59-50-7	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
4-Chlorophenyl Phenyl Ether	7005-72-3	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
4-Dimethylaminoazobenzene	60-11-7	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
4-Nitrophenol	100-02-7	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
7,12-Dimethylbenz(a)Anthracene	57-97-6	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
a,a-Dimethylphenethylamine	122-09-8	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Acenaphthene	83-32-9	3,440 {NMED ResSoil09}	205	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Acenaphthylene	208-96-8	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Acetophenone	98-86-2	7,820 {NMED ResSoil09}	8.86	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Aniline	62-53-3	850 {EPA ResSoil09}	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Anthracene	120-12-7	17,200 {NMED ResSoil09}	3,370	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Benzidine	92-87-5	0.0211 {NMED ResSoil09}	0.000125	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Benzo(a)Anthracene	56-55-3	6.21 {NMED ResSoil09}	3.2	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Benzo(a)Pyrene	50-32-8	0.621 {NMED ResSoil09}	1.09	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Benzo(b)Fluoranthene	205-99-2	6.21 {NMED ResSoil09}	11.1	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338

Table 6-5
Summary of Soil Sample Analytical Results
SWMU 27
Soil Only

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 10	Units	LAGN4-SB-03 0.3 - 0.9 12/09/09	LAGN4-SB-04 0.3 - 0.9 12/09/09	LAGN4-SB-05 0.3 - 0.9 12/09/09	LAGN3-SB-01 0.3 - 0.9 12/10/09	LAGN3-SB-02 0.3 - 0.9 12/10/09	LAGN3-SB-03 0.3 - 0.9 12/10/09	LAGN3-SB-04 0.3 - 0.9 12/10/09	LAGN3-SB-05 0.3 - 0.9 12/10/09
Benzo(g,h,i)Perylene	191-24-2	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Benzo(k)Fluoranthene	207-08-9	62.1 (NMED ResSoil09)	109	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Benzoic Acid	65-85-0	240,000 (EPA ResSoil09)	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Benzyl Alcohol	100-51-6	6,100 (EPA ResSoil09)	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	2,600 (EPA ResSoil09)	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Bis (2-Chloroethoxy) Methane	111-91-1	180 (EPA ResSoil09)	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Bis (2-Chloroisopropyl) Ether (bis-(2-chloro-1-methylethyl)	108-60-1	91.5 (NMED ResSoil09)	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Bis(2-Chloroethyl) Ether	111-44-4	2.56 (NMED ResSoil09)	0.000233	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	347 (NMED ResSoil09)	119	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Chlorophenols (2,3,4,6-Tetrachlorophenol)	58-90-2	1,800 (EPA ResSoil09)	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Dibenz(a,h)Anthracene	53-70-3	0.621 (NMED ResSoil09)	3.62	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Dibenz(a,j)Acridine	224-42-0	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Dibenzofuran	132-64-9	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Diethyl Phthalate	84-66-2	48,900 (NMED ResSoil09)	106	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Dimethyl Phthalate	131-11-3	611,000 (NMED ResSoil09)	836	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Di-n-Butyl Phthalate	84-74-2	6,110 (NMED ResSoil09)	86.3	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Di-n-Octyl Phthalate	117-84-0	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Diphenylamine	122-39-4	1,500 (EPA ResSoil09)	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Diphenylhydrazine	38622-18-3	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Ethyl Methanesulfonate	62-50-0	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Fluoranthene	206-44-0	2,290 (NMED ResSoil09)	1,550	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Fluorene	86-73-7	2,290 (NMED ResSoil09)	250	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Hexachloro-1,3-Butadiene	87-68-3	61.1 (NMED ResSoil09)	0.147	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Hexachlorobenzene	118-74-1	3.04 (NMED ResSoil09)	0.0221	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Hexachlorocyclopentadiene	77-47-4	367 (NMED ResSoil09)	6.13	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Hexachloroethane	67-72-1	61.1 (NMED ResSoil09)	0.193	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Indeno(1,2,3-cd)Pyrene	193-39-5	6.21 (NMED ResSoil09)	37	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
m-Dichlorobenzene	541-73-1	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Methanamine, N-Methyl-N-Nitroso	62-75-9	0.954 (NMED ResSoil09)	0.0000304	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Methyl Methanesulfonate	66-27-3	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Naphthalene	91-20-3	45 (NMED ResSoil09)	0.0419	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Nitrobenzene	98-95-3	49.4 (NMED ResSoil09)	0.0686	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
N-Nitrosodi-N-Butylamine	924-16-3	0.726 (NMED ResSoil09)	0.000648	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
N-Nitrosodi-N-Propylamine	621-64-7	0.69 (EPA ResSoil09)	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
N-Nitrosopiperidine	100-75-4	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
p-Chloroaniline	106-47-8	24 (EPA ResSoil09)	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Pentachlorobenzene	608-93-5	48.9 (NMED ResSoil09)	0.937	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Pentachloronitrobenzene	82-68-8	19 (EPA ResSoil09)	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Pentachlorophenol	87-86-5	29.8 (NMED ResSoil09)	0.294	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Phenacetin	62-44-2	--	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Phenanthrene	85-01-8	1,830 (NMED ResSoil09)	834	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Phenol	108-95-2	18,300 (NMED ResSoil09)	63	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
p-Nitroaniline	100-01-6	240 (EPA ResSoil09)	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Propyzamide (Kerb)	23950-58-5	4,600 (EPA ResSoil09)	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Pyrene	129-00-0	1,720 (NMED ResSoil09)	1,120	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341	<0.336	<0.346	<0.338
Pyridine	110-86-1	78 (EPA ResSoil09)	--	mg/kg	<0.34	<0.341	<0.348	<0.335	<0.341 Z	<0.336	<0.346 Z	<0.338
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	630-20-6	29.2 (NMED ResSoil09)	0.0173	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
1,1,1-Trichloroethane	71-55-6	21,800 (NMED ResSoil09)	29.8	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
1,1,1,2-Tetrachloroethane	79-34-5	7.98 (NMED ResSoil09)	0.00225	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
1,1,2-Trichloroethane	79-00-5	17.2 (NMED ResSoil09)	0.00674	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
1,1-Dichloroethane	75-34-3	62.9 (NMED ResSoil09)	0.0609	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
1,1-Dichloroethylene	75-35-4	618 (NMED ResSoil09)	1.19	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
1,1-Dichloropropene	563-58-6	--	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
1,2,3-Trichlorobenzene	87-61-6	--	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
1,2,3-Trichloropropane	96-18-4	0.915 (NMED ResSoil09)	0.000356	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
1,2,4-Trimethylbenzene	95-63-6	62 (EPA ResSoil09)	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.194 (NMED ResSoil09)	0.0000297	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.574 (NMED ResSoil09)	0.000158	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
1,2-Dichloroethane	107-06-2	7.74 (NMED ResSoil09)	0.00365	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027

Table 6-5
Summary of Soil Sample Analytical Results
SWMU 27
Soil Only

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 10	Units	LAGN4-SB-03 0.3 - 0.9 12/09/09	LAGN4-SB-04 0.3 - 0.9 12/09/09	LAGN4-SB-05 0.3 - 0.9 12/09/09	LAGN3-SB-01 0.3 - 0.9 12/10/09	LAGN3-SB-02 0.3 - 0.9 12/10/09	LAGN3-SB-03 0.3 - 0.9 12/10/09	LAGN3-SB-04 0.3 - 0.9 12/10/09	LAGN3-SB-05 0.3 - 0.9 12/10/09
1,2-Dichloropropane	78-87-5	14.7 (NMED ResSoil09)	0.0111	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
1,3,5-Trimethylbenzene	108-67-8	780 (EPA ResSoil09)	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
1,3-Dichloropropane	142-28-9	1,600 (EPA ResSoil09)	0.0111	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
2,2-Dichloropropane	594-20-7	--	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
2-Butanone	78-93-3	39,600 (NMED ResSoil09)	12.7	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
2-Chloroethyl Vinyl Ether	110-75-8	--	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
2-Chlorotoluene	95-49-8	1,560 (NMED ResSoil09)	6.24	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
2-Phenylbutane	135-98-8	--	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
4-Chlorotoluene	106-43-4	5,500 (EPA ResSoil09)	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
4-Methyl-2-Pentanone(MIBK)	108-10-1	5,950 (NMED ResSoil09)	3.79	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Acetone	67-64-1	67,500 (NMED ResSoil09)	38.4	mg/kg	<0.00681	<0.00682	0.014	<0.0067	<0.00682	<0.00672	<0.00693	<0.00676
Acrylonitrile	107-13-1	5.97 (NMED ResSoil09)	0.000819	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Benzene	71-43-2	15.5 (NMED ResSoil09)	0.0185	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Bromobenzene	108-86-1	300 (EPA ResSoil09)	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Bromodichloromethane	75-27-4	5.25 (NMED ResSoil09)	0.00276	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Bromomethane	74-83-9	22.3 (NMED ResSoil09)	0.0194	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Carbon Disulfide	75-15-0	1,940 (NMED ResSoil09)	2.52	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Carbon Tetrachloride	56-23-5	4.38 (NMED ResSoil09)	0.00739	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
CFC-11 (Trichlorofluoromethane)	75-69-4	2,010 (NMED ResSoil09)	9.01	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
CFC-12 (Dichlorodifluoromethane)	75-71-8	481 (NMED ResSoil09)	7.23	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Chlorobenzene	108-90-7	508 (NMED ResSoil09)	0.538	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Chlorobromomethane	74-97-5	--	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Chlorodibromomethane (Dibromochloromethane)	124-48-1	11.9 (NMED ResSoil09)	0.00338	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Chloroethane (Ethylchloride)	75-00-3	43,600 (NMED ResSoil09)	54.2	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Chloroform	67-66-3	5.72 (NMED ResSoil09)	0.00468	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Chloromethane	74-87-3	35.6 (NMED ResSoil09)	0.0418	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
cis-1,2-Dichloroethene	156-59-2	782 (NMED ResSoil09)	0.943	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
cis-1,3-Dichloropropene	10061-01-5	--	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Cymene	99-87-6	--	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Dibromomethane (Methylene Dibromide)	74-95-3	782 (NMED ResSoil09)	0.777	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Dichloromethane (Methylene Chloride)	75-09-2	199 (NMED ResSoil09)	0.107	mg/kg	<0.00681	<0.00682	<0.00696	0.00485 JB	<0.00682	<0.00672	<0.00693	<0.00676
Ethylbenzene	100-41-4	69.7 (NMED ResSoil09)	0.146	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Iodomethane	74-88-4	--	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Isopropylbenzene (Cumene)	98-82-8	3,210 (NMED ResSoil09)	9.86	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
m,p-Xylene (m-Xylene)	108-38-3	8,290 (NMED ResSoil09)	12.3	mg/kg	<0.00545	<0.00546	<0.00556	<0.00536	<0.00546	<0.00538	<0.00554	<0.0054
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Methylbenzene (Toluene)	108-88-3	5,570 (NMED ResSoil09)	13.8	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Methyl-tert-butyl ether	1634-04-4	862 (NMED ResSoil09)	0.229	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
n-Butylbenzene	104-51-8	--	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
n-Propylbenzene	103-65-1	--	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
o-Xylene	95-47-6	9,550 (NMED ResSoil09)	12.3	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
sec-Butylbenzene	135-9-88	--	--	mg/kg	--	--	--	--	--	--	--	--
Styrene (Monomer)	100-42-5	8,970 (NMED ResSoil09)	15.6	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
tert-Butylbenzene	98-06-6	--	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Tetrachloroethene	127-18-4	6.99 (NMED ResSoil09)	0.00449	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Trans-1,2-Dichloroethene	156-60-5	273 (NMED ResSoil09)	0.301	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Trans-1,4-Dichlorobutene	110-57-6	--	--	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Tribromomethane (Bromoform)	75-25-2	616 (NMED ResSoil09)	6.04	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Trichloroethylene	79-01-6	45.7 (NMED ResSoil09)	0.053	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Vinyl Chloride	75-01-4	0.865 (NMED ResSoil09)	0.00288	mg/kg	<0.00272	<0.00273	<0.00278	<0.00268	<0.00273	<0.00269	<0.00277	<0.0027
Xylenes (total xylenes)	1330-20-7	1,090 (NMED ResSoil09)	1.76	mg/kg	--	--	--	--	--	--	--	--

Table 6-5
Summary of Soil Sample Analytical Results
SWMU 27
Notes

Lab Qualifiers	Definition
U	Constituent was not detected at the sample quantitation limit shown.
UJ	Estimated value below detection limit.
Analyte Abbreviation	Full Name
>C10-C28	Diesel Range Organics (>C10-C28) in the carbon 10 (C10) to carbon 28 (C28) range.
Acronym/Note	Description
All data reported before 2009	were collected by others and the data were provided to ARCADIS by White Sands Missile Range.
--	The sample was not tested for this constituent and/or no data were available.
U	Laboratory report flag indicating that the constituent was not detected at the sample quantitation limit shown.
1.7	Yellow highlight indicates that the reported result exceeds the published SSLs. If the result is preceded by "<", the constituent was not detected, but the reported sample quantitation limit exceeds the SSL.
1.9	Italics indicates that the reported result exceeds the NMED DAF 20 screening value. If the result is preceded by "<", constituent was not detected, but the reported sample quantitation limit exceeds the DAF 20 value.
[<0.005]	Brackets indicate that the result shown is from a duplicate field sample.
CAS	Chemical Abstract Service.
DAF 20	NMED Dilution Attenuation Factor from Table A-1, December 2009 Update to Technical Background Document for Development of Soil Screening Levels, Revision 5.0. NMED Hazardous Waste Bureau and Ground Water Quality Bureau, Voluntary Remediation Program. August 2009. DAF 20 indicates a Dilution Attenuation Factor of 20 was used.
EPA	United States Environmental Protection Agency.
EPA ResSoil09	USEPA Residential Screening Level from <i>USEPA Regional Screening Levels</i> (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index/htm). 2009.
mg/kg	Milligram per kilogram.
NMED	New Mexico Environment Department.
NMED ResSoil09	NMED Residential Soil Screening Level from Table A-1, December 2009 Update to Technical Background Document for Development of Soil Screening Levels, Revision 5.0. NMED Hazardous Waste Bureau and Ground Water Quality Bureau, Voluntary Remediation Program. August 2009.
SSL	Soil Screening Level